

ABSTRACT

A turbine blade cascade structure includes a plurality of blades arranged in series in a circumferential direction on a wall surface, in which a corner portion defined by the wall surface and a front edge portion of each of blade bodies supported by the wall surface, to which a working fluid flows, includes a cover portion (fillet) that extends toward an upstream side of a flow of the working fluid. The turbine blade cascade structure is capable of reducing the secondary flow loss of the secondary flow in spite of the fluctuation of an incident angle of the working fluid flowing to the front edge portion of the blade body.